Introduction

This document is designed to outline a skills assessment for developers. The objective of the assessment is to identify the developer's knowledge in:

1. Object Orientated Programming OOP
2. Session Management
3. Database Connections
4. Security understanding (Access, restrictions, etc)
5. Data Sanitization
6. MVC or MVVC implemented (Model, View, Controller)

All code must be uploaded to github including your database file and a link to this must be provided.

Based on the assessment a strengths and weakness skills matrix can be created to identify areas of improvement and concern as well as benchmark the experience and knowledge of the candidate

Assessment Task

For this a assessment we ask that the candidate creates a CRUD (Create, Read, Update and Delete) interface. The interface should allow for

1. Login to web app using Username/Password
   a. There should be 2 X levels
      i. Admin – Can Add/Edit, and Remove
      ii. Staff – Can only Add/Edit
2. Once logged in the user should be presented with a Table Grid of data. This data could contain any information i.e.
   a. Tasks
   b. Projects
   c. Clients
   d. Stock
   e. Etc
3. Based on access rights should allow the user to
   a. Add
   b. Edit
   c. Remove

Assessment

During our assessment of the code supplied we will look at how the technology was used.

1. Did they use Forms correctly
2. Is there a base Configuration settings
3. How are the Classes structure
   a. Is code Neat
   b. Organized
   c. Documented

        d.   Easy to read
4. Are there any design patterns implemented
5. What front-end styling was applied i.e. Bootstrap etc
6. Any extra technology used i.e. Modals, ChartJS, Password validations, Nice User experience
7. How was security implemented
8. Is there any Sanitation being performed
9. What additional languages/ Technologies used i.e.
        a.   HTML
        b.   CSS
        c.   Javascript
        d.   Etc

Conclusion

Based on the assessment we will be able to identify experience and knowledge of the developer. We also take time and planning into account. So all candidates would indicate when the assessment would be completed by and stick to that deadline.